



enclosure for command devices, 22 mm, round, enclosure material plastic, enclosure top part yellow, 2 command points plastic, B=indicator light red, LED 24 V, screw terminal, LED 24 V, screw terminal, label without inscription, A=EMERGENCY STOP 40 mm rotate-to-unlatch, label without inscription, 1 NO, 1 NC, 1 NC, screw terminal, base mounting, 1x M20 each on top and bottom, labels enclosed

product brand name	SIRIUS ACT
product designation	Enclosures
product type designation	3SU1
equipment of commanding and signaling device	A = EMERGENCY-STOP mushroom pushbutton, 40 mm, with positive latching according to ISO 13850 and rotate-to-unlatch mechanism / B = indicator light 24 V AC/DC
manufacturer's article number	<ul style="list-style-type: none"> • of supplied contact module at the command point A 1 • of supplied contact module at the command point A 2 • of supplied contact module at the command point A 3 • of supplied LED module at the command point B • of the supplied holder at the command point A • of the supplied holder at the command point B • of the supplied actuator at the command point A • of the supplied actuator at the command point B • of supplied empty enclosure • of the supplied accessories at the command point A • of the supplied accessories at the command point B 3SU1400-2AA10-1CA0 3SU1400-2AA10-1BA0 3SU1400-2AA10-1CA 3SU1401-2BB20-1AA0 3SU1500-0AA10-0AA0 3SU1500-0AA10-0AA0 3SU1000-1HB20-0AA0 3SU1001-6AA20-0AA0 3SU1802-0AA00-0AB2 3SU1900-0AF16-0AA0 3SU1900-0AF16-0AA0
Enclosure	
design of the housing	with recess for label
shape of the enclosure front	rectangular
material of the enclosure	plastic
number of command points	2
product component	<ul style="list-style-type: none"> • EMERGENCY STOP device • protective collar
color of the enclosure top part	yellow
delivery state	<ul style="list-style-type: none"> • as a kit • pre-wired on strip terminal
fastening method of the enclosure	Vertical
Actuator	
design of the actuating element	Indicator light / EMERGENCY STOP mushroom pushbutton
suitability for use EMERGENCY OFF switch	Yes
product feature lockout	No
product extension optional light source	Yes
color of the actuating element	A = red / B = red

material of the actuating element	plastic
shape of the actuating element	round
number of contact modules	3
type of unlocking device	A = Rotate to unlock / B = none
Front ring	
product component front ring	Yes
design of the front ring	Standard
material of the front ring	plastic
color of the front ring	black
Holder	
material of the holder	Plastic
Display	
number of LED modules	1
General technical data	
product function	
• positive opening	Yes
• EMERGENCY OFF function	Yes
• EMERGENCY STOP function	Yes
protection class IP	IP66, IP67, IP69(IP69K)
degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12K, 13
shock resistance	
• according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
• for railway applications according to EN 61373	Category 1, Class B
vibration resistance	
• according to IEC 60068-2-6	10 ... 500 Hz: 5g
• for railway applications according to EN 61373	Category 1, Class B
reference code according to IEC 81346-2	S
continuous current of the C characteristic MCB	10 A; for a short-circuit current smaller than 400 A
continuous current of the quick DIAZED fuse link	10 A
continuous current of the DIAZED fuse link gG	10 A
Substance Prohibition (Date)	10/01/2014
SVHC substance name	Lead monoxide (lead oxide) - 1317-36-8 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5
Net Weight	430.5 g
operating voltage	
• at AC	
— at 50 Hz rated value	24 ... 24 V
— at 60 Hz rated value	24 ... 24 V
• at DC rated value	24 ... 24 V
Communication/ Protocol	
design of the interface for communication	without
Auxiliary circuit	
design of the contact of auxiliary contacts	Silver alloy
number of NC contacts for auxiliary contacts	2
number of NO contacts for auxiliary contacts	1
Connections/ Terminals	
type of electrical connection of modules and accessories	Screw-type terminal
type of electrical connection on enclosure	Cable routing above and below, both 1 x M20
tightening torque of the screws in the bracket	1 ... 1.2 N·m
tightening torque of fixing screws in the enclosure cover	1.5 ... 1.7 N·m
tightening torque with screw-type terminals	0.8 ... 0.9 N·m
Lamp	
light intensity	450 ... 1 120 mcd
Safety related data	
product function suitable for safety function	Yes
test wear-related service life necessary	Yes
proportion of dangerous failures	
• with low demand rate according to SN 31920	20 %
• with high demand rate per NC contact according to SN	20 %

31920	
B10 value with high demand rate according to SN 31920	100 000
failure rate [FIT] with low demand rate per NC contact according to SN 31920	100 FIT
ISO 13849	
device type according to ISO 13849-1	3
IEC 61508	
safety device type according to IEC 61508-2	Type A
T1 value for proof test interval or service life according to IEC 61508	20 a
Ambient conditions	
ambient temperature	
• during operation	-25 ... +70 °C
• during storage	-40 ... +80 °C
environmental category during operation according to IEC 60721	3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 ... 95%, no condensation in operation permitted for all devices behind front panel)
Environmental footprint	
Environmental Product Declaration(EPD)	Yes
global warming potential [CO2 eq] total	0.787 kg
global warming potential [CO2 eq] during manufacturing	0.566 kg
global warming potential [CO2 eq] during operation	0.235 kg
global warming potential [CO2 eq] after end of life	-0.015 kg
Installation/ mounting/ dimensions	
fastening method of modules and accessories	Floor mounting
height	114 mm
width	85 mm
depth	109 mm
shape of the installation opening	round
Accessories	
number of labels	2
marking of the name plate for command devices	A = without inscription / B = with inscription
color of the label	A = black / B = black
number of inscription plates	0
Approvals Certificates	
General Product Approval	



Test Certificates	Maritime application
Special Test Certificate	
Type Test Certificates/Test Report	
other	Environment
	Confirmation Environmental Confirmations

Further information
Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Information for data generation and storage
https://support.industry.siemens.com/cs/ww/en/view/109995012
Information- and Downloadcenter (Catalogs, Brochures,...)

<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1802-0NB00-2AB2>

Cax online generator

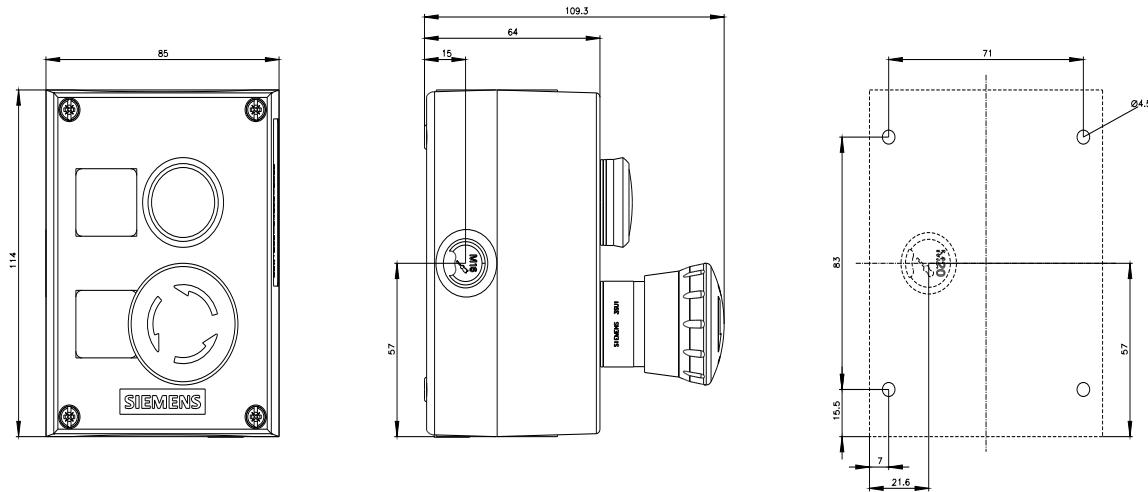
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1802-0NB00-2AB2>

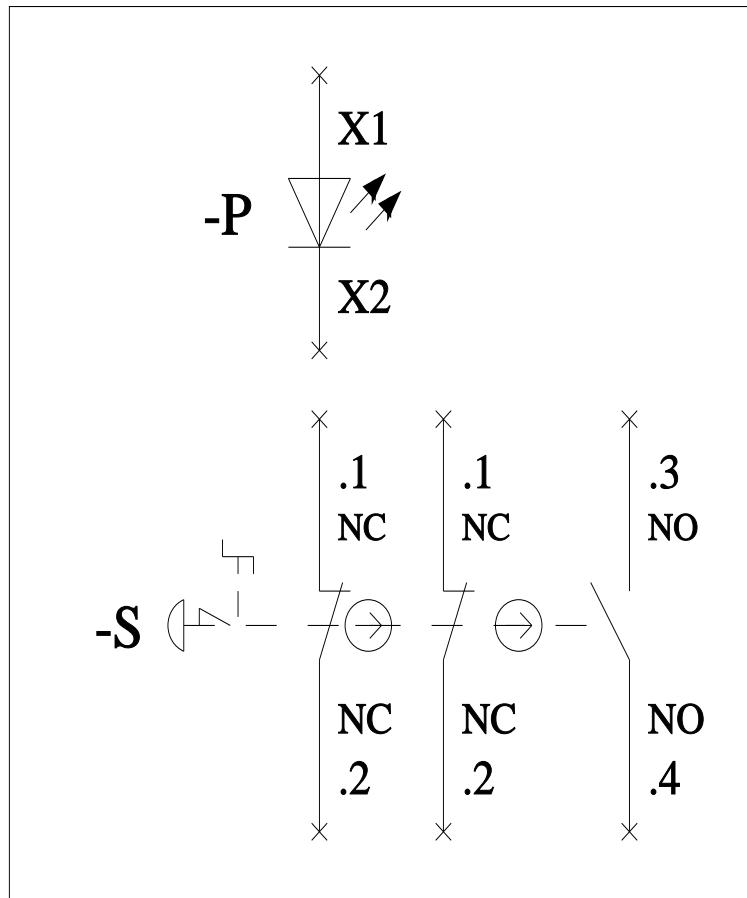
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1802-0NB00-2AB2>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1802-0NB00-2AB2&lang=en





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